

TO FIG. 1a-2

FIG. 1a-1

TO FIG. 1a-3

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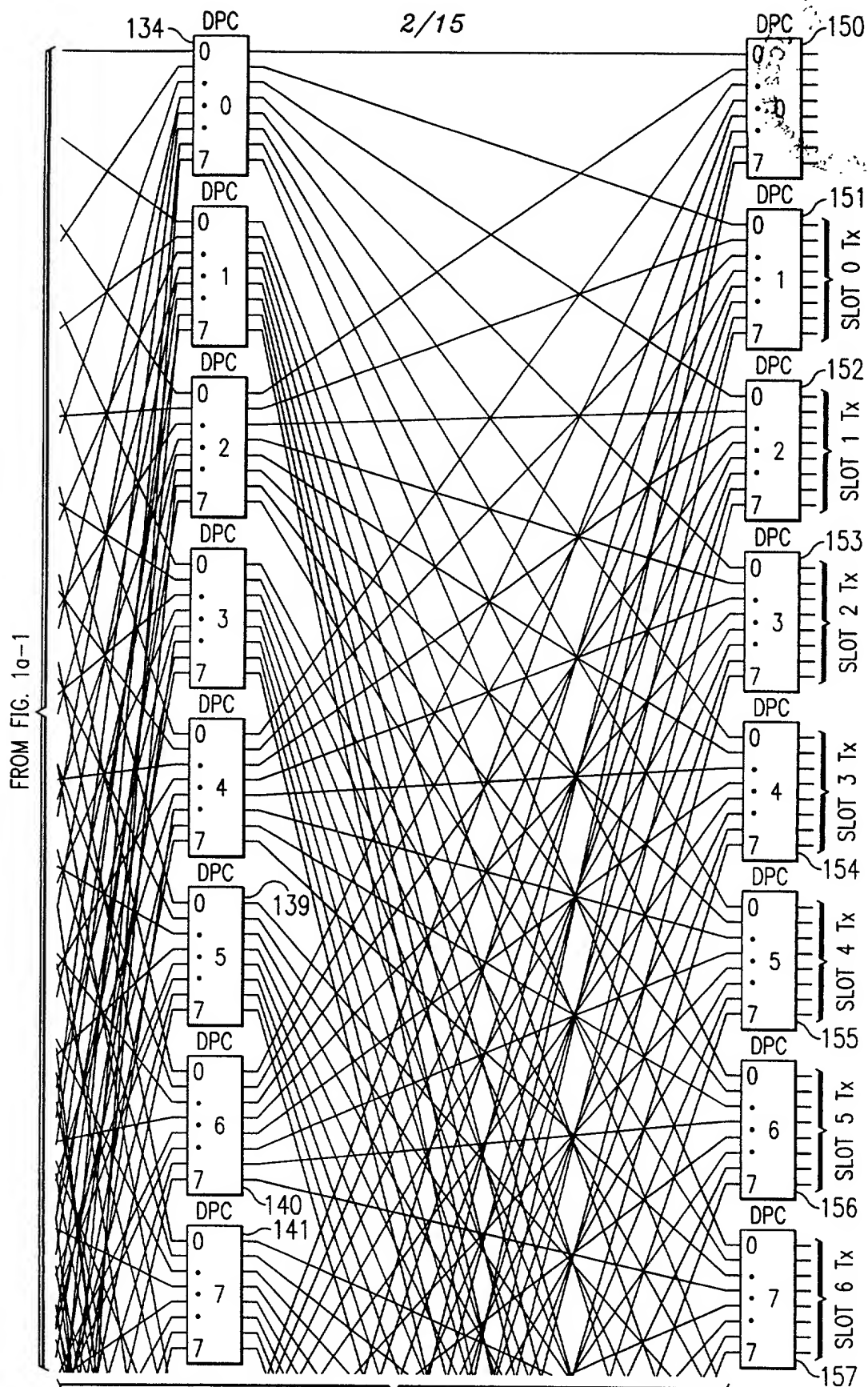


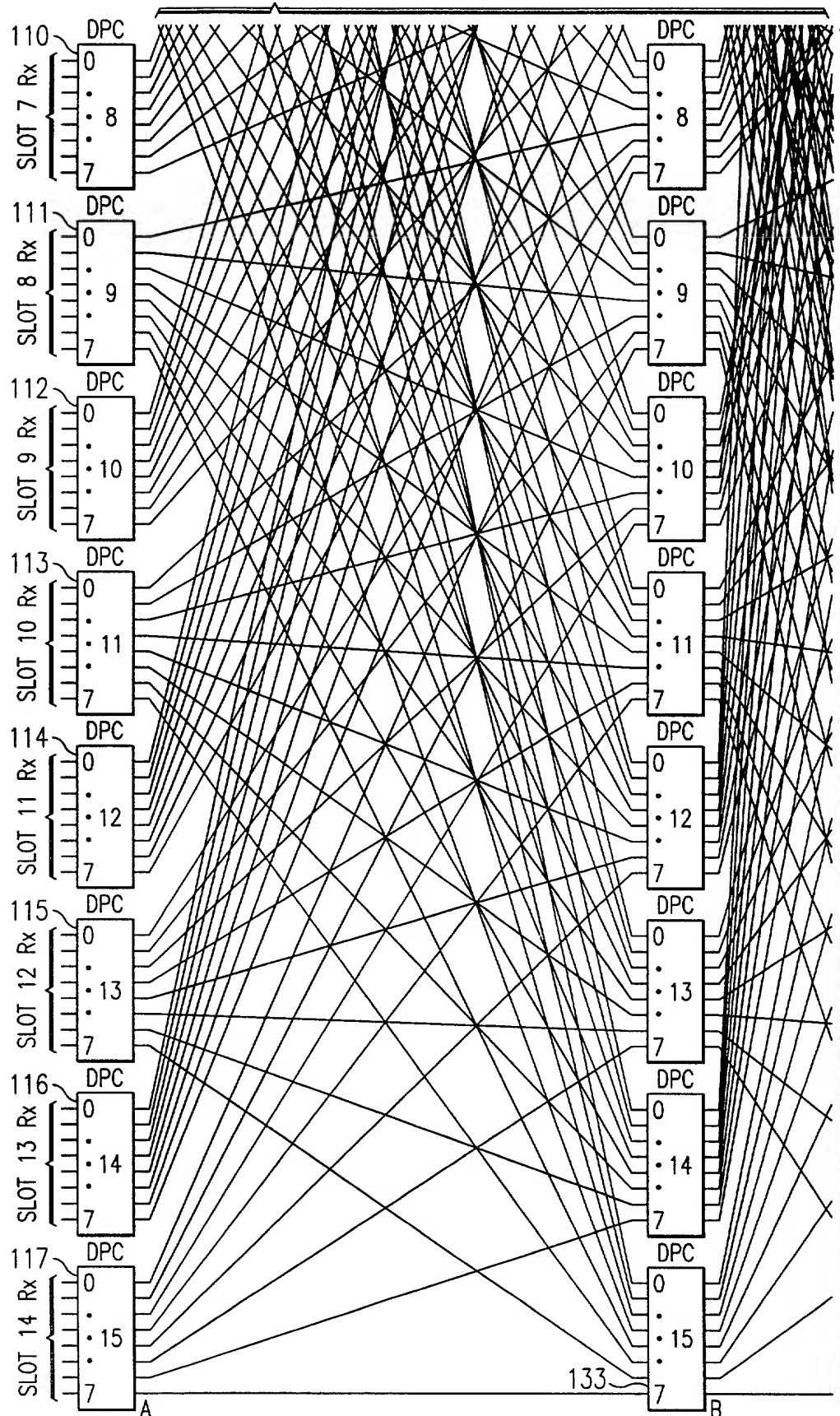
FIG. 1a-2

TO FIG. 1a-4

FROM FIG. 1a-1

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FIG. 1a-3



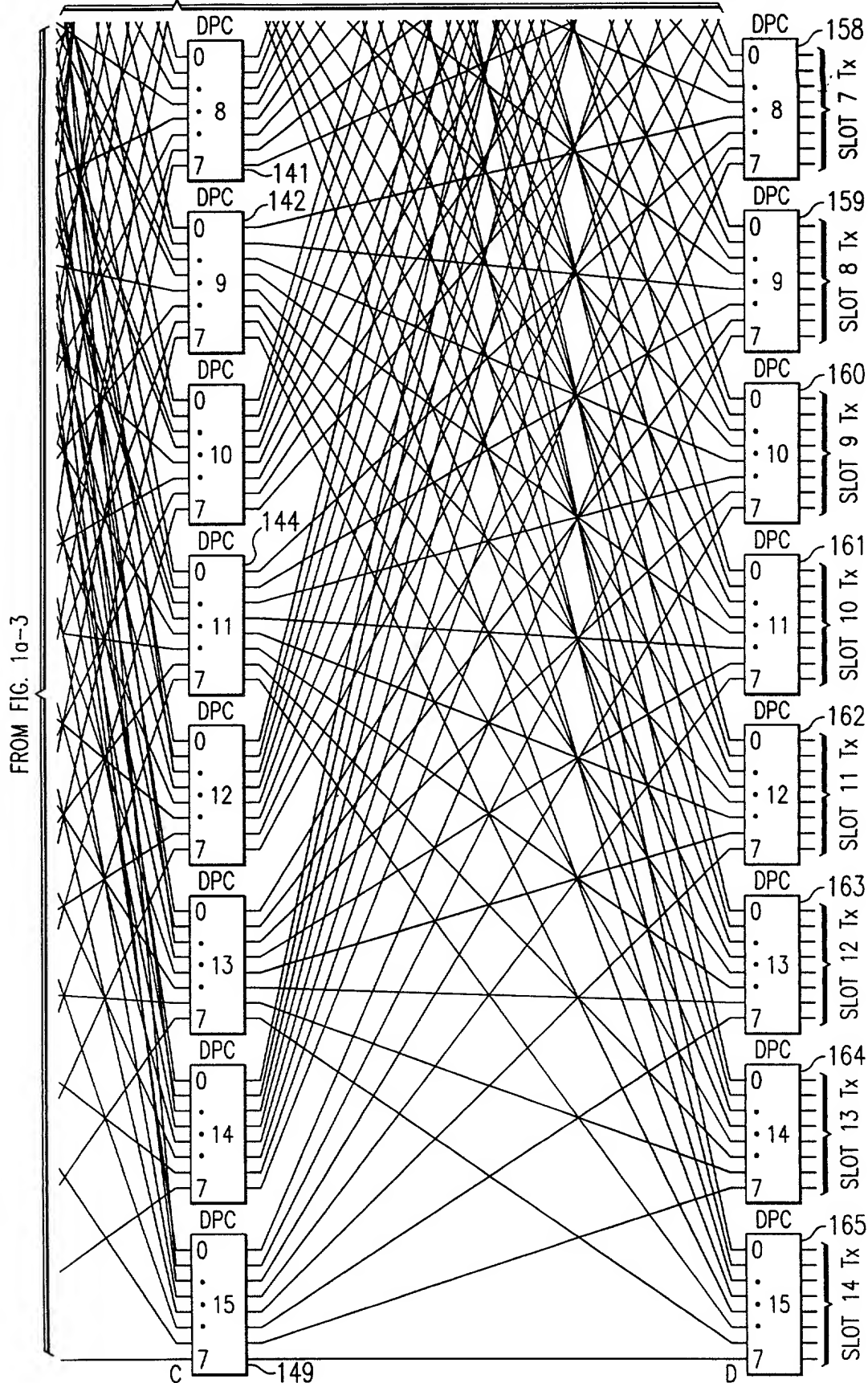
TO FIG. 1a-4

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FROM FIG. 1a-2

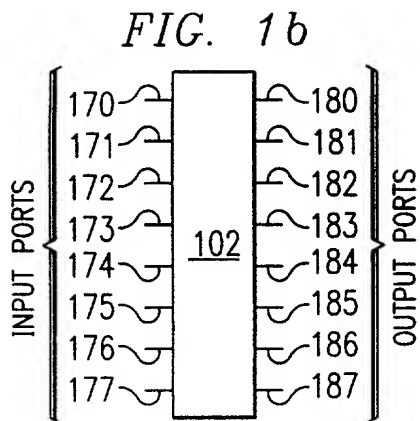
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FIG. 1a-4

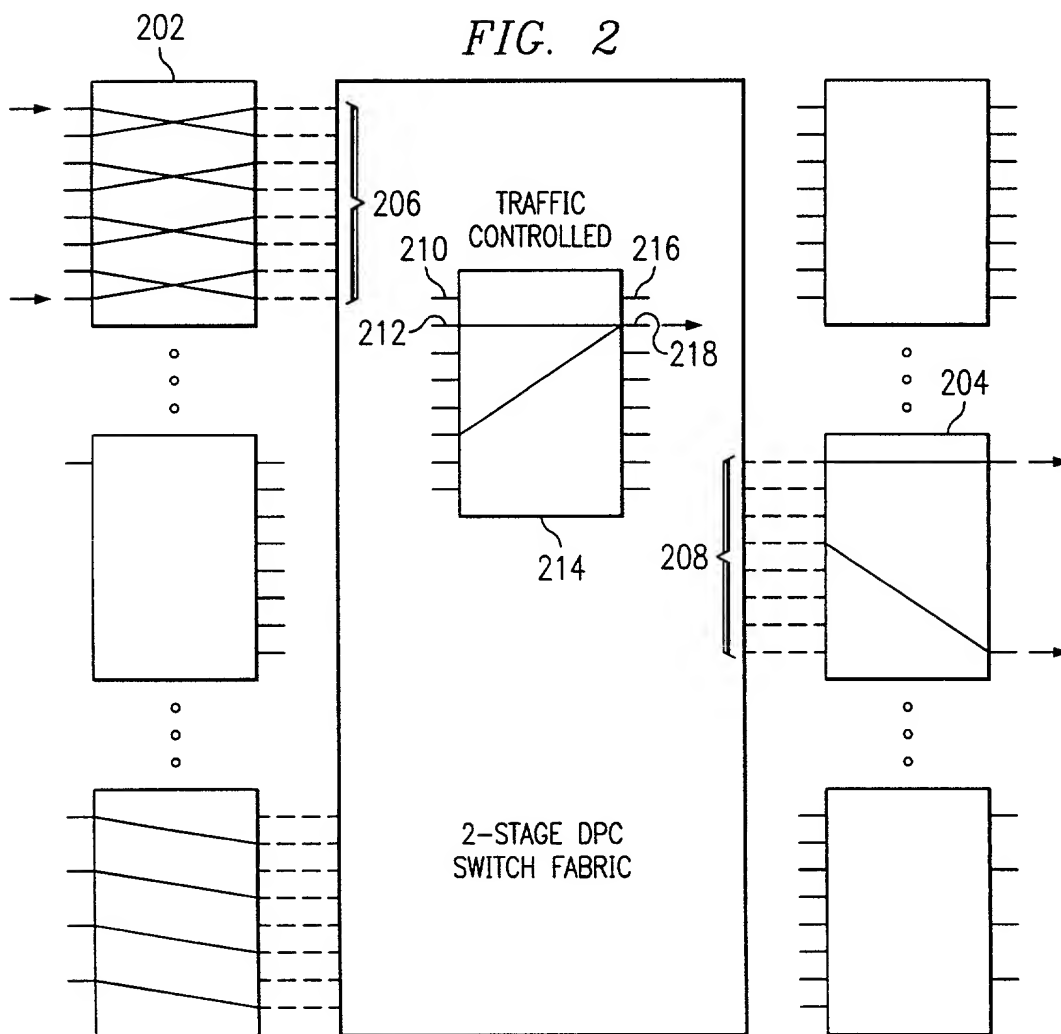


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FIG. 1c



PORT 1	PORT 2	PORT 3	PORT 4	PORT 5	PORT 6	PORT 7	PORT 8
1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3
4	4	4	4	4	4	4	4
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
1024	1024	1024	1024	1024	1024	1024	1024



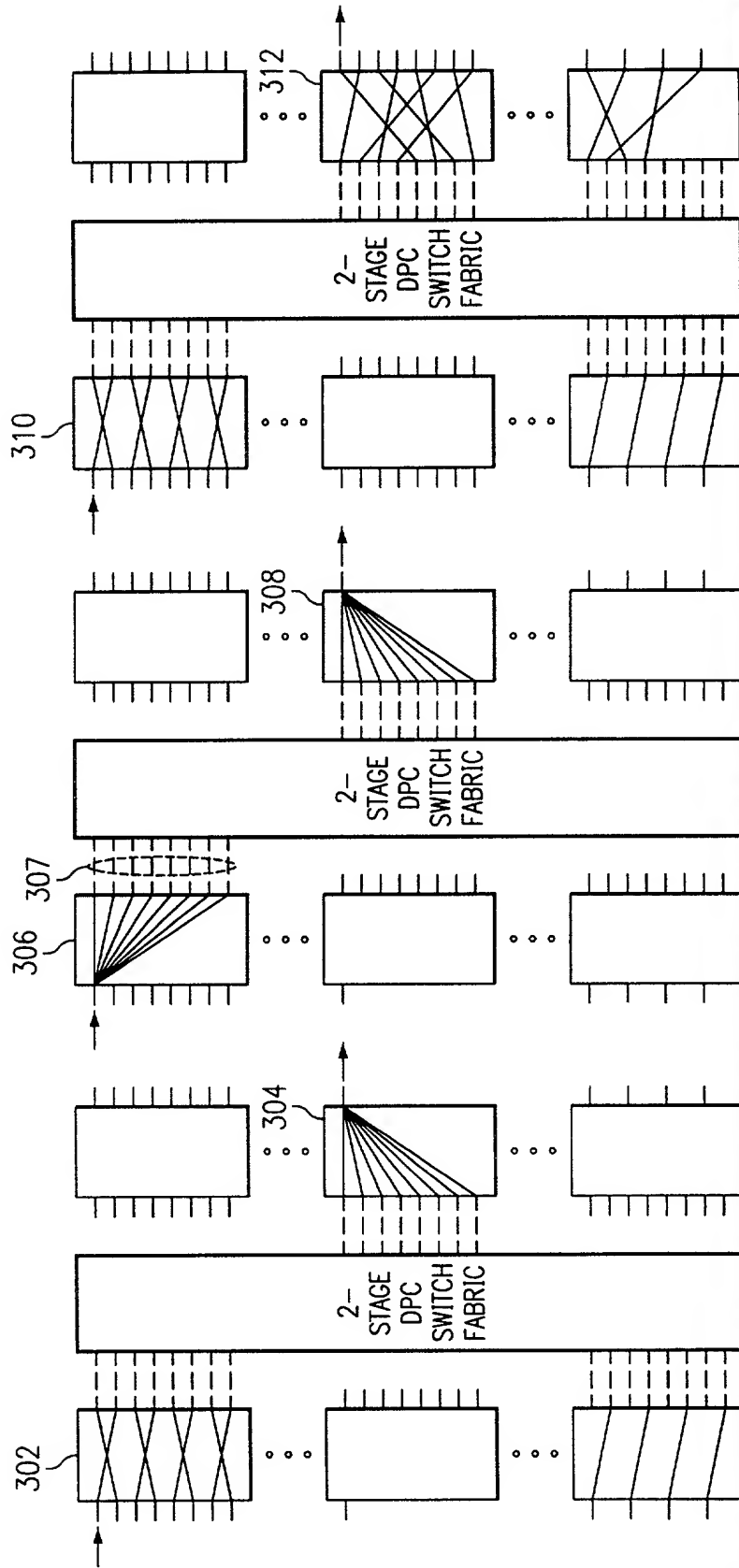


FIG. 3

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FIG. 4

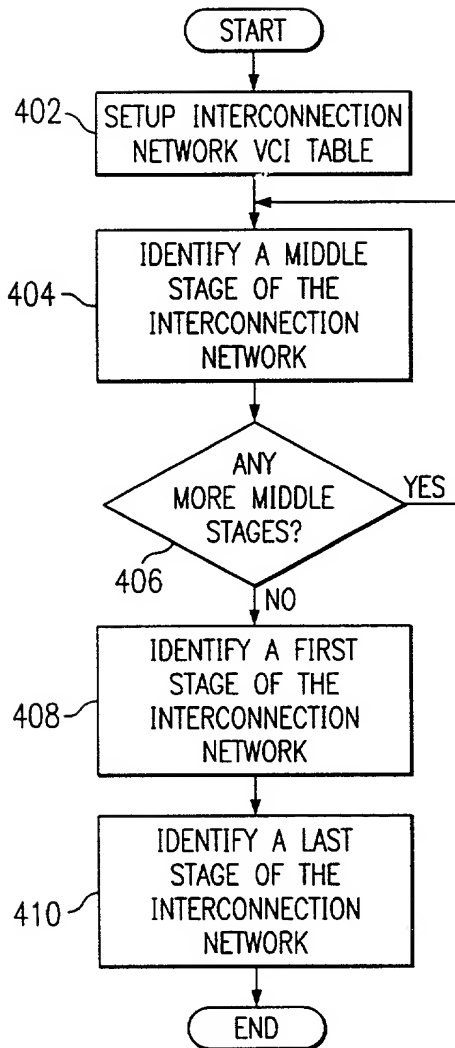
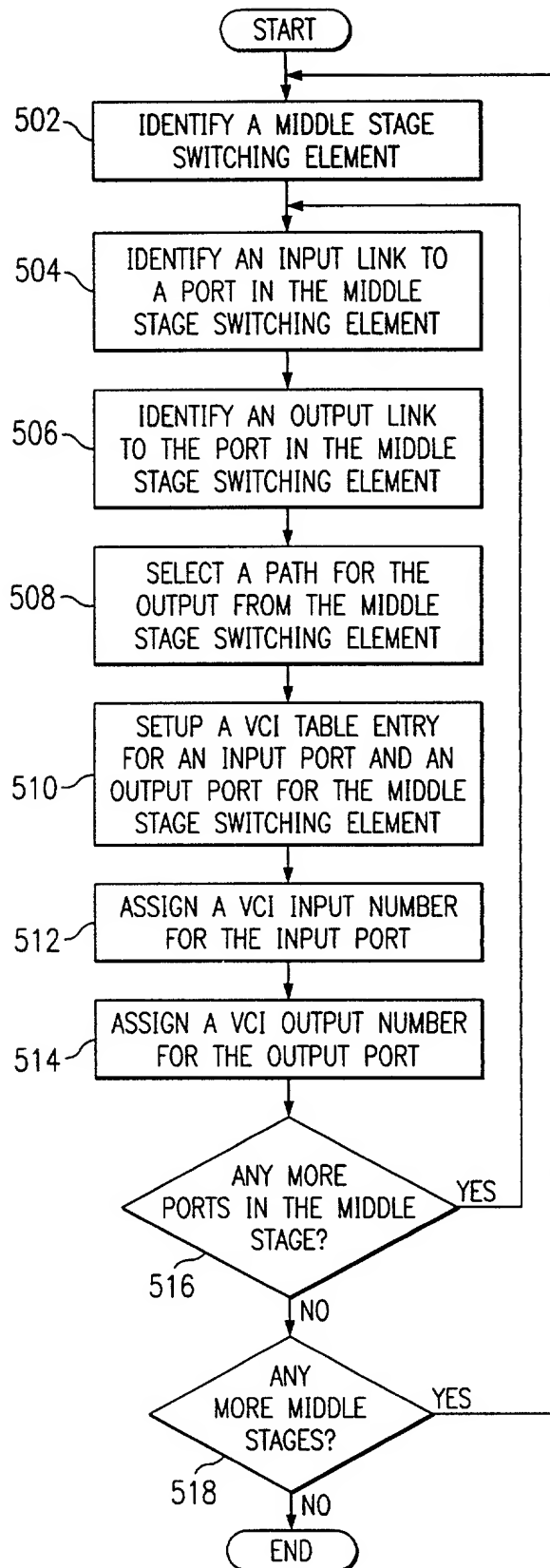


FIG. 5



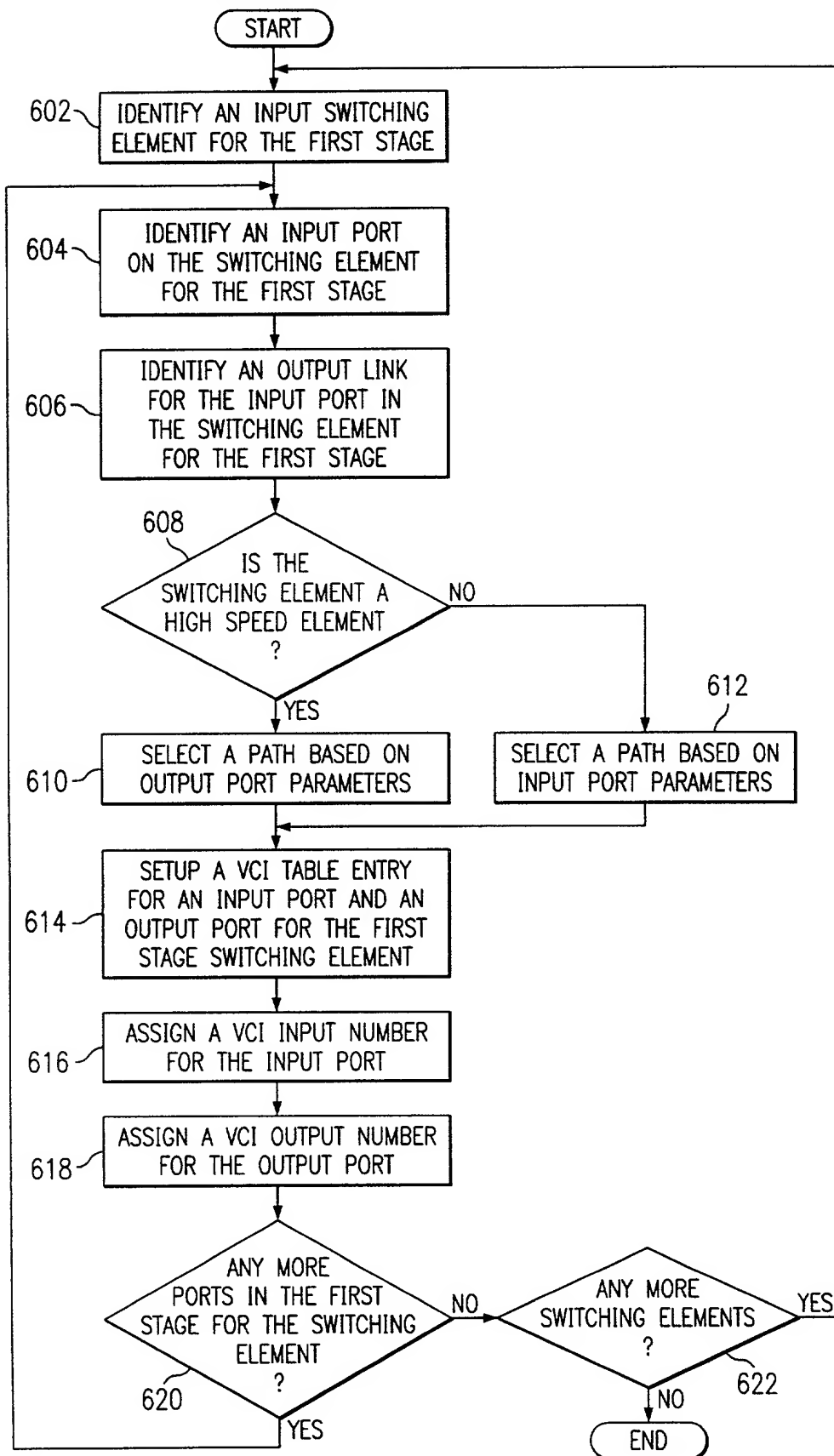
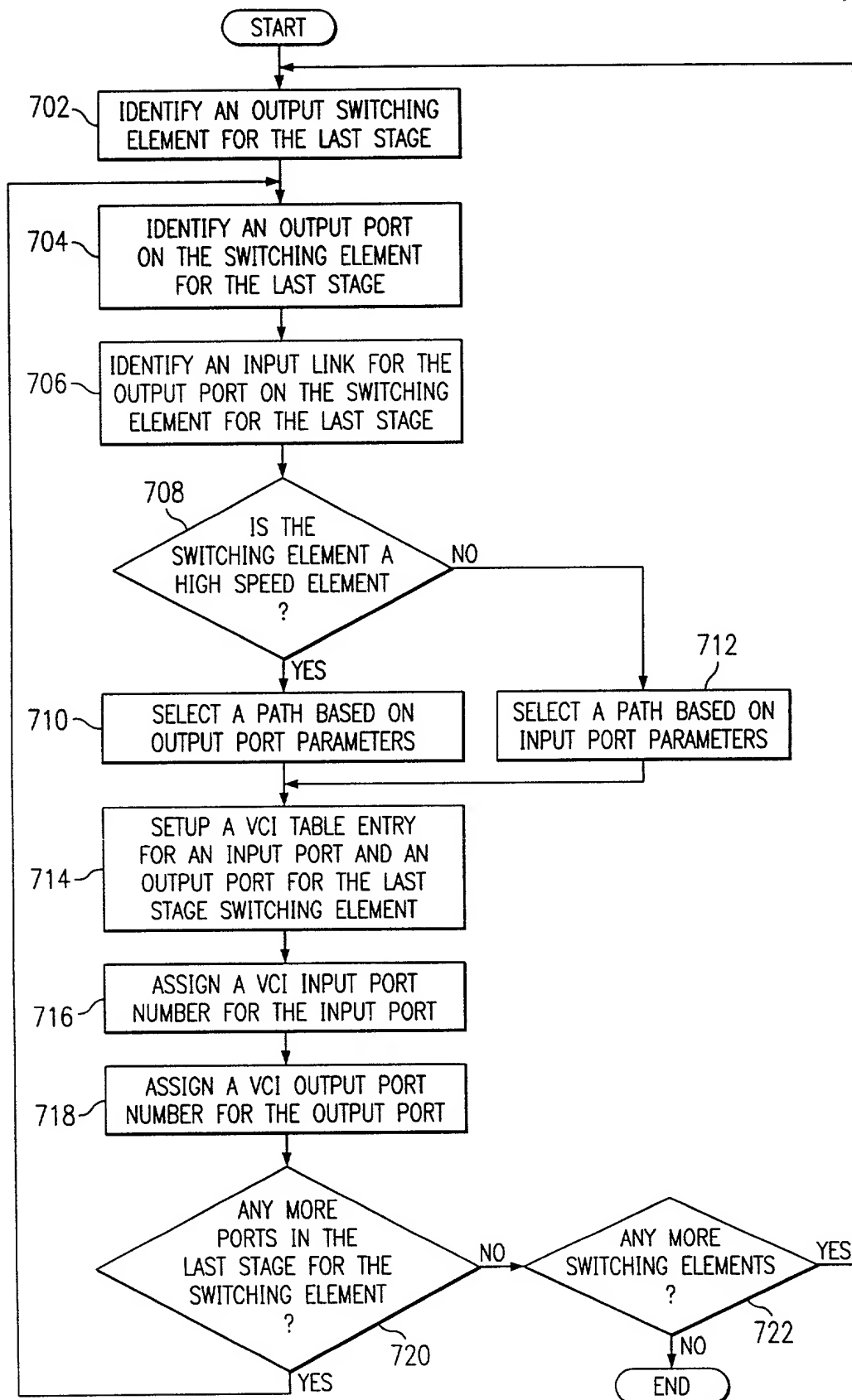


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FIG. 8

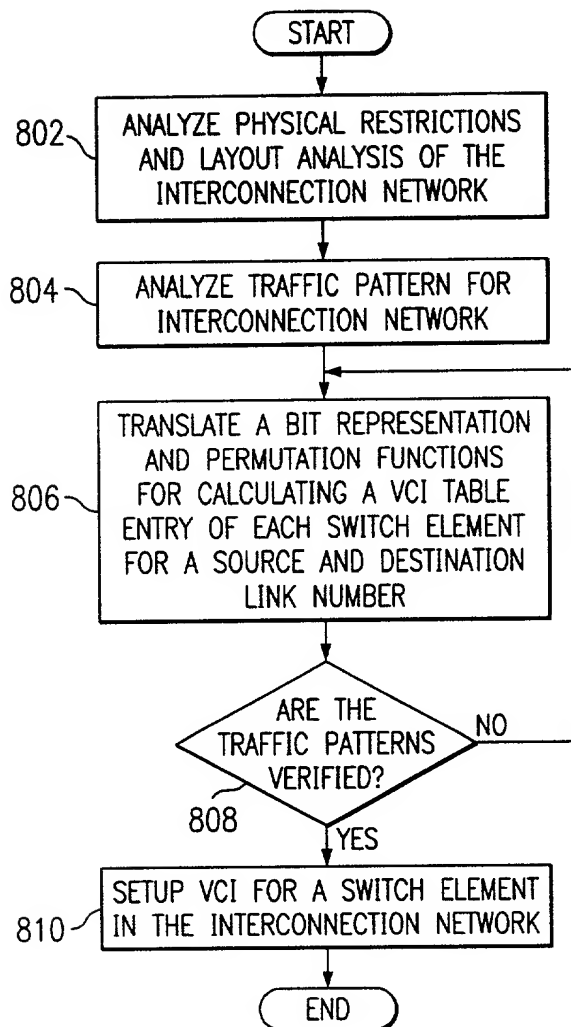
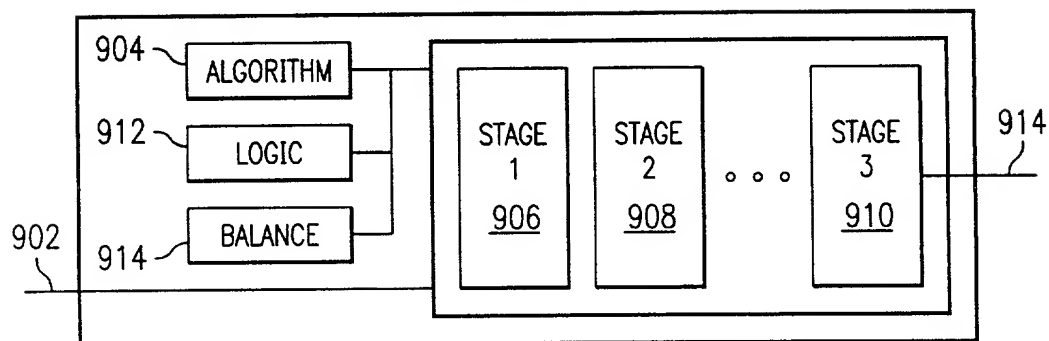


FIG. 9



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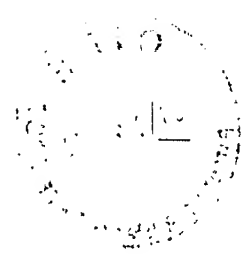
STAGE[0] :: fs
 input = (i[6], i[5], i[4], i[3]): (i[2], i[1], i[0]) - (j[6], j[5], j[4], [3], j[2], j[1], j[0])
 ↓
 output = (i[6], i[5], i[4], i[3]):
 STAGE[1] :: ms1
 input =
 output =
 STAGE[2] :: ms2
 input =
 output =
 STAGE[3] :: ls
 input = (j[6], j[5], j[4], j[3]):
 ↑
 output = (j[6], j[5], j[4], j[3]): (j[2], j[1], j[0]) - (i[6], i[5], i[4], i[3], i[2], i[1], i[0])

FIG. 10a

STAGE[0] :: fs
 input = (i[6], i[5], i[4], i[3]): (i[2], i[1], i[0]) - (j[6], j[5], j[4], [3], j[2], j[1], j[0])
 output = (i[6], i[5], i[4], i[3]):
 STAGE[1] :: ms1
 input = (i[3], a, b, c): (i[6], i[5], i[4]) -
 (2) ↓ (3) ↓ (1)
 output = (i[3], a, b, c):
 STAGE[2] :: ms2
 input = (c, d, e, j[6]): (i[3], a, b) -
 (5) ↓ (6) ↓ (3) ↓ (4)
 output = (c, d, e, j[6]):
 STAGE[3] :: ls
 input = (j[6], j[5], j[4], j[3]): (c, d, e) -
 (1) ↓ (7)
 output = (j[6], j[5], j[4], j[3]): (j[2], j[1], j[0]) - (i[6], i[5], i[4], i[3], i[2], i[1], i[0])

FIG. 10b

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STAGE[0] :: fs
 input = (i[6], i[5], i[4], i[3]): (i[2], i[1], [0]) - (j[6], j[5], j[4], j[3], j[2], j[1], j[0])
 output = (i[6], i[5], i[4], i[3]): (a, b, c) -
 STAGE[1] :: ms1
 input = (i[3], a, b, c) : (i[6], i[5], i[4]) -
 output = (i[3], a, b, c) : (d, e, j[6]) -
 STAGE[2] :: ms2 ⁽⁸⁾
 input = (c, d, e, j[6]) : (i[3], a, b) -
 output = (c, d, e, j[6]) : (j[5], j[4], j[3]) -
 STAGE[3] :: ls ⁽⁸⁾
 input = (j[6], j[5], j[4], j[3]): (c, d, e) -
 output = (j[6], j[5], j[4], j[3]): (j[2], j[1], j[0]) - (i[6], i[5], i[4], i[3], i[2], i[1], i[0])

FIG. 10c

STAGE[0] :: fs
 input = (i[6], i[5], i[4], i[3]): (i[2], i[1], [0]) - (j[6], j[5], j[4], j[3], j[2], j[1], j[0])
 output = (i[6], i[5], i[4], i[3]): (a, b, c) -
 STAGE[1] :: ms1
 input = (i[3], a, b, c) : (i[6], i[5], i[4]) -
 output = (i[3], a, b, c) : (d, e, j[6]) -
 STAGE[2] :: ms2
 input = (c, d, e, j[6]) : (i[3], a, b) -
 output = (c, d, e, j[6]) : (j[5], j[4], j[3]) -
 STAGE[3] :: ls
 input = (j[6], j[5], j[4], j[3]): (c, d, e) -
 output = (j[6], j[5], j[4], j[3]): (j[2], j[1], j[0]) - (i[6], i[5], i[4], i[3], i[2], i[1], i[0])

FIG. 10d

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FIG. 11a

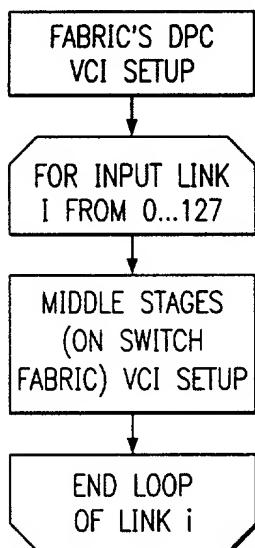


FIG. 11b

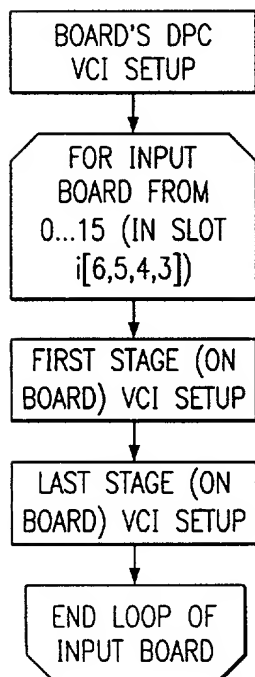
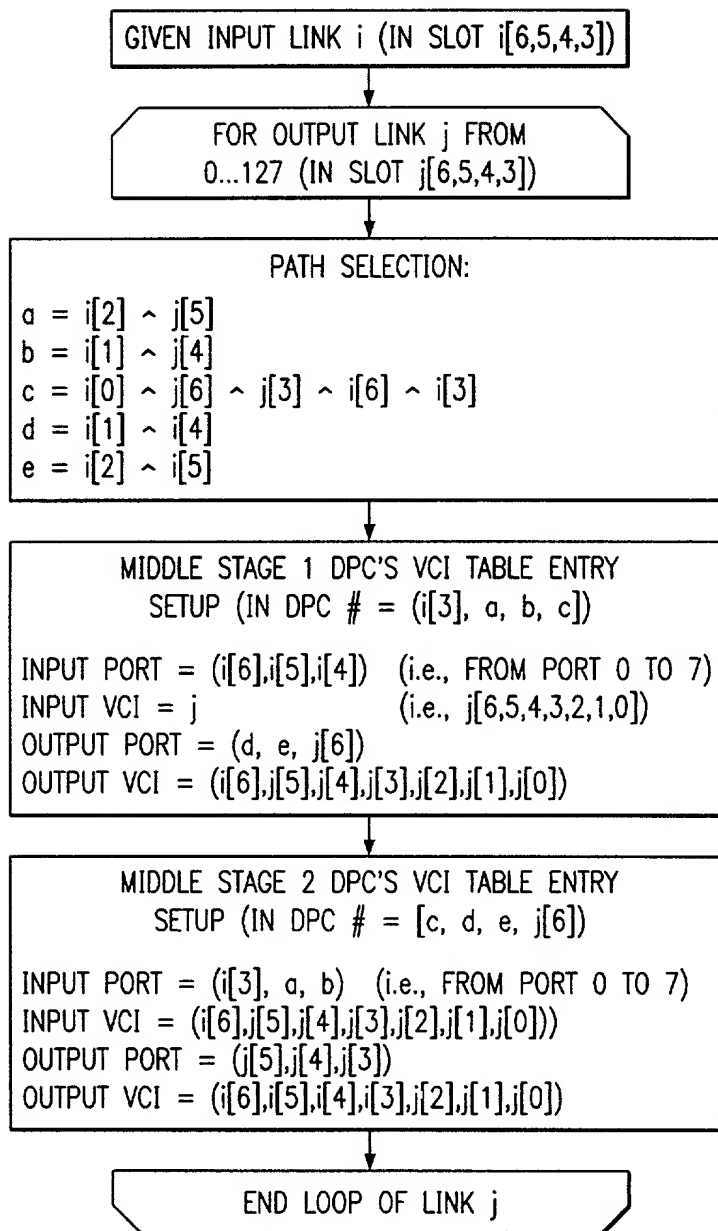
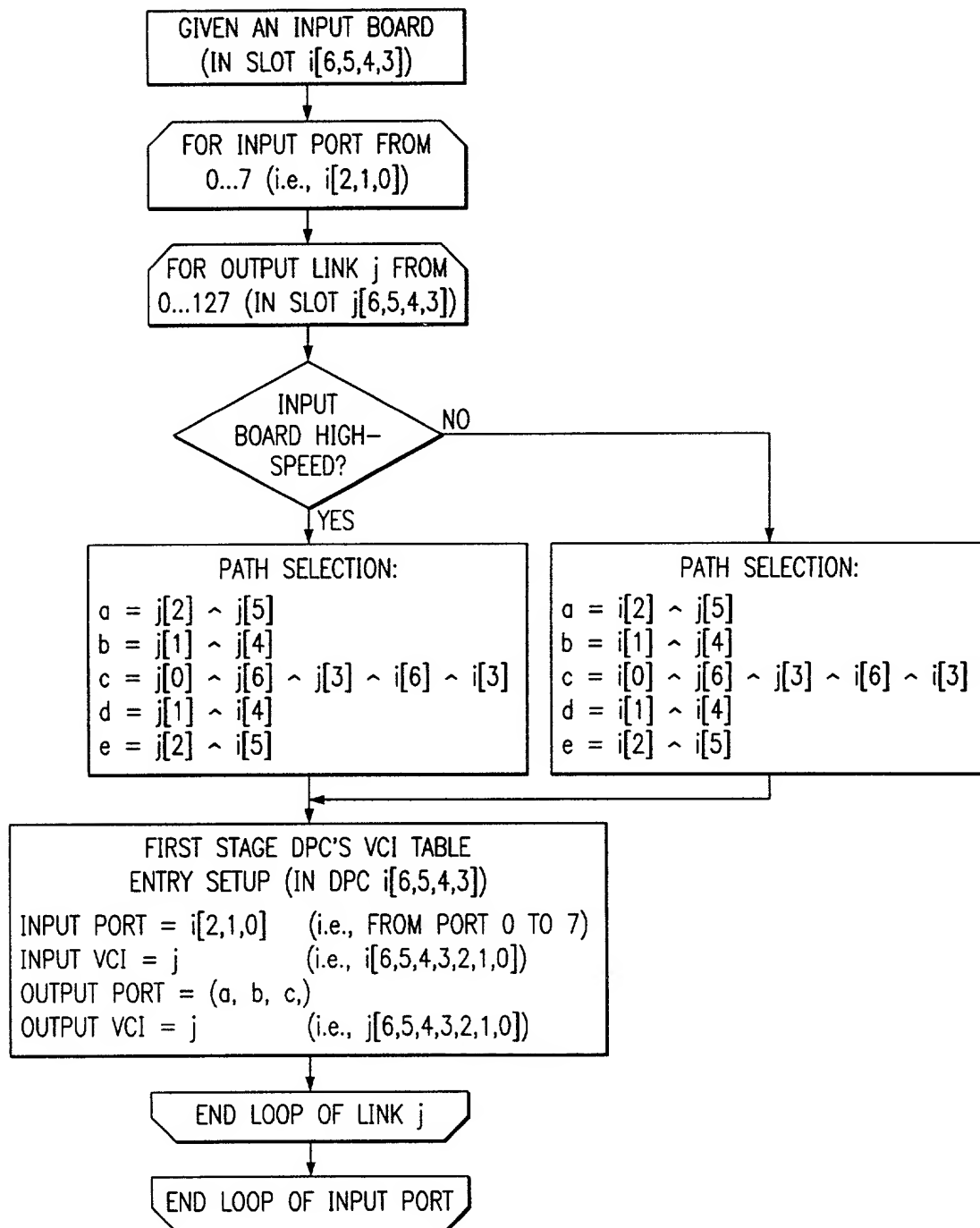


FIG. 12



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FIG. 13



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FIG. 14

